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NRO REVIEW COMPLETED

25 June 1962  
Copy 9 of 9

MEMORANDUM FOR : Deputy Director (Research)

SUBJECT : Procurement of single sideband capability

1. This memorandum contains a recommendation for your approval. Such recommendation is contained in paragraph 4.

2. There is an operational requirement to provide a single sideband capability at [ ] which will permit two-way communications between ground and the mission aircraft at any time during an operational sortie. Attached is a list of representative equipment with prices totaling [ ] which will fulfill this requirement. Twenty percent reduction of above costs will be available on government procurement; however, such savings will be employed to meet installation costs and services of one engineer for a period of approximately one week.

3. The referenced equipment is not a "minimum" capability, but is intended to provide a capability for meeting all operational requirements at [ ] (both present and future) which can be anticipated by the Communications Staff. Transmitter power has been established as [ ] which should assure reliable communications even under adverse propagation conditions. To ensure uninterrupted reception of signals, a back-up receiver has been included in the list of equipment. This extra receiver will not only function as a spare, if needed, but will permit the monitoring of two separate radio frequencies by the base station during those periods when the signal may be ambiguous. The equipment itself will be mounted in a console, providing maximum efficiency and convenience for the station operator.

4. It is requested that you approve the expenditure of [ ] for the procurement, installation and engineer services required to obtain single sideband capability at [ ]

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STANLEY E. BEERLI  
COLONEL, USAF  
Assistant Director  
(Special Activities)

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Funds in the amount of [ ] have been designated in FY-62 to meet the above costs contingent upon DD/R approval hereon.

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[ ]  
Chief, Finance Branch, OSA

Recommendation in paragraph 4 APPROVED:

Signed Herbert Scoville, Jr.

~~HERBERT SCOVILLE, JR.~~ 30 JUN 1962  
Deputy Director  
(Research)

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**Attachment:**

List of Equipment

OSA/COMMO [ ] (26 June 62)

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